

Scientific meeting

PRIORITIES FOR INDOOR AIR RESEARCH AND ACTION
HYATT CONTINENTAL HOTEL, MONTREUX, SWITZERLAND
29 MAY - 1st JUNE 1991

<u>May 30th</u>	<u>Programme</u>	<u>Abstract Number</u>
	<u>Plenary Session</u> <u>Chair: Professor M Guillemin</u>	
08.30-08.40	<u>Opening remarks</u> <u>M Guillemin</u> , President of the International Occupational Hygiene Association	<u>A50</u>
08.40-09.00	<u>Introduction/Welcome</u> <u>J Martin</u> , Chief Public Health Officer Canton of Vaud, Switzerland	
09.00-09.30	<u>Priorities for Research in the Detection and Classification of Diseases due to Indoor Air Pollutants</u> <u>F J C Roe</u> , Wimbledon, UK (Invited Speaker)	<u>A48</u>
09.30-10.00	<u>Priorities for Research in Immune Disease Associated with Inadequate Control of Indoor Air Quality</u> <u>C Pickering</u> , Wythenshawe Hospital, University of Manchester, UK (Invited Speaker)	<u>A39</u>
10.00-10.30	<u>Sick Building Syndrome, a way forward: comfort and health</u> <u>P G Durge</u> , Sullihull Hospital, West Midlands, UK (Invited Speaker)	<u>A64</u>
10.30-10.45	Coffee	
	<u>Session 2.</u>	
	<u>Chair: Professor P Witorsch</u>	
10.45-11.15	<u>Priorities for Toxicological Research of Volatile Organic Compounds in Indoor Air</u> <u>V J Feron</u> , H P Til, Fl de Vrijer & P J van Bladeren, TNO Toxicology & Nutrition Institute, Zeist, The Netherlands (Invited Speaker)	<u>A60</u>
11.15-11.30	<u>A Case Study on Measurement of Indoor Aldehydes in University Campus</u> <u>Y Hashimoto</u> , S Tanaka & K Morikami, Department of Applied Chemistry, Faculty of Science & Technology, Keio University, Japan	<u>A8</u>
11.30-11.45	<u>Urinary Effects of Metallic Air Pollutants in School Children</u> <u>S Attenoux</u> , F Grimaldi, A Botta, E Muls, J Pompili, <u>A Viala</u> , Facultes de Medecine et de Pharmacie, Marseille, France	<u>A1</u>

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- 11.45-12.00 The Flow of Agents into the Human Body: the Principle of a New Approach to Standards in Indoor Air Quality A43
M V Jokl, Technical University of Prague, Czechoslovakia
- 12.00-12.15 Desorption Kinetics of Trichlorethylene & Perchlorethylene from Cotton Fabrics A33
L Weber, Institute of Occupational & Social Medicine, University of Ulm, Germany
- 12.15-12.30 Study of VOC Emissions and Microbial Inhibition from Coated and Uncoated HVAC Duct Materials A55
C W Bayer, C D Downing, D L Price & D L Ramey, Georgia Technical Research Inst and Interface Research Corporation, Atlanta, Georgia, USA
- 12.30-13.30 Lunch
- Session 3.
- Chair: Professor P E O'Sullivan
- 13.30-13.45 Landscape Architecture: An appropriate alternative for air quality control in developing countries A6
L M Ferrer, College of Architecture & Fine Arts, University of Santo Tomas, Manila, Philippines
- 13.45-14.00 The Effect of Building Finishing Materials on the Indoor Environment A57
A A Massoud & O Khalil, Banha University, Banha, Kaliubia, Egypt
- 14.00-14.15 Building Form & Health in Naturally Ventilated Dwellings A25
H J Robertson, Department of Architecture, The Royal Institute of Technology, Stockholm, Sweden
- 14.15-14.30 Validation of a Modified ATS-DLD Questionnaire in the Diagnosis of Chronic Lung Conditions A24
C Roa, Medical Center Manila, Gen Luna St, Ermita, Manila, Philippines

Session 4.

Chair: Dr D Bienfait

- 14.30-15.00 Radon as an Indoor Air Hazard A37
H J Dunster, London, UK (Invited Speaker)

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- 15.00-15.15 Analysis of Radon and Radon Daughter Concentrations in Individual Housing of Brittany in Relation to Characteristics of the Subsoil, and Investigations for the Diagnosis of Radon Sources and Home Transfers A27
O Tymen¹, A Moudou¹, M C Robe², J Le Bronec², & A Rannou², 1. Laboratoire de Physique des Aerosols et de Radioactivite Atmospherique, Faculte des Sciences, Brest, France.
2. Commissariat a l'Energie Atomique, IPSN/DPEI, France
- 15.15-15.30 Asbestos in Indoor Air and its Significance: Identification of possible Control Requirements A4
B T Commins, Maidenhead, UK
- 15.30-15.45 Tea
- Session 5.
- Chair: Professor Y Hashimoto
- 15.45-16.00 Relationship Between Occupants' Discomfort as Perceived by them and as Measured Objectively A7
F Haghighat, R D'Addario, G Donnini, Center for Building Studies, Concordia University, Montreal, Canada
- 16.00-16.15 Costs of Better Ventilation Compared to Decreased Absenteeism Savings A10
L C Holcomb and J Pedelty, Holcomb Environmental Services, Olivet, USA
- 16.15-16.30 The Effect of Air Humidification on Symptoms and Perceived Air Quality in Office Workers. A Twelve Period Cross-Over Trial A13
J J K Jaakkola^{1,2}, L M Reinikainen², N-L Jaakkola², P Miettinen² & O Seppanen².
1. Department of Public Health, University of Helsinki and 2. HVAC Laboratory, Helsinki University of Technology
- 16.30-16.45 Sources of Polynuclear Aromatic Hydrocarbons (PAH) in the Indoor Air of Hong Kong Homes A16
L C Kuo, T H-G Hu, H Matsushita, H Shimizu, T Mori, H Matsuki & S Tominaga, Lung Cancer Research Unit, Hong Kong Anti-Cancer Society, Hong Kong
- 16.45-17.00 Mercury in the Indoor Air - What is the Problem? A2
A Furst, College of Arts & Sciences, San Francisco, USA

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- 17.00-17.15 Characteristics of Indoor Airborne
Particulates A45
I-Fu Hung, C-C Yu & C-J Tung, Institute of
Nuclear Science, National Tsing Hua University,
Hsinchu, Taiwan, ROC
- 17.15-17.30 The Role of Urinary Nicotine and its Metabolites
as Indicators of Exposure to Environmental
Tobacco Smoke A41
J. Gerrod, Kings' College, London, UK
- 17.30-17.45 Indoor and Outdoor Air Pollution Measurements
in Korea A14
Y S Kim, College of Medicine, Hanyang
University, Seoul, Korea
- 17.45-18.00 Passive Smoking among the Children's Population
in Bulgaria A31
J S Jordanov and S Stomoniakova, Research
Institute of Paediatrics, Sofia, Bulgaria

May 31st

Session 6.

Chair: Professor A Furst

- 08.30-09.00 Priorities for Research in Architecture and
Ventilation A59
P E O'Sullivan, Bartlett School of
Architecture, University College, London, UK
(Invited Speaker)
- 09.00-09.30 Airborne Coughs and Colds A62
D A J Tyrrell, Salisbury, UK
(Invited Speaker)
- 09.30-09.45 Sensitisation and Small Airways Hyperactivity
among Laboratory Animal Workers A28
S Willers, U Hjertberg, J A Wihl & P Orbaek,
Lund University, Malmo, Sweden
- 09.45-10.00 Environmental Tobacco Smoke (ETS) as a Risk
Factor for Cardiovascular Diseases A51
A Markham, J Munby, J M Sneddon & D F Weetman,
School of Pharmacology, Sunderland Polytechnic,
Sunderland, UK
- 10.00-10.15 A Review of Recent Progress of ETS Measurement
in Japan A21
Y Ohkawa, Y Akiyama, N Takasu, Y Yoshida,
I Ishii & S Fukuma*, Scientific Information
Department, Japan Tobacco Inc, Tokyo, Japan.
*Chiba Cancer Center, Chiba, Japan

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- 10.15-10.30 Occupational Exposures and Bladder Cancer A5
G. Crepat, Departement de Biologie Appliquee,
Universite de Bourgogne, Dijon, France
- 10.30-10.45 Coffee

Session 7.

Chair: H J Dunster

- 10.45-11.15 Factors that should be considered in the A53
training of Building Services Engineers
L. K. Queah, School of Building & Estate Management,
National University of Singapore (Invited Speaker)
- 11.15-11.30 Effect of Design and Workmanship of
Installations on Indoor Air Quality A46
D. Bienfait, Centre Scientifique et Technique du
Batiment, Paris, France
- 11.30-11.45 The Impact of Increased Ventilation upon Indoor
Air Quality A3
C. Collett, J Ventresca & S Turner, T D Sterling
& Associates Ltd, Vancouver, BC, Canada
- 11.45-12.00 Establishing and Verifying Minimum VAV Air Flow
Rates A52
M. Meckler, The Meckler Group, Encino, Ca, USA
- 12.00-12.15 Indoor/Outdoor Air Quality Relationships A47
M. Goldstone, J N Lester, R. Perry, J Phillips
& G. L. Reynolds, Environmental Engineering
Laboratory, Imperial College, London, UK
- 12.15-12.30 An Investigation of Potential Organic and
Inorganic Cross-Contamination in a Regenerative
Rotary Air to Air Heat Exchanger A54
H. Birkeland, C W Bayer, C D Downing & E Aschjem,
Georgia Technical Research Inst, Atlanta,
Georgia, USA
- 12.30-13.30 Lunch

Session 8.

Chair: Dr B Reverente

- 13.30-13.45 Health Problems due to Indoor Air Pollutants in
Occupational Settings A9
F. He, Institute of Occupational Medicine,
Chinese Academy of Preventive Medicine,
Beijing, P R China

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- 13.45-14.00 Noise Problems in Singapore's Factories A19
S. E. Lee, School of Building & Estate Management,
National University of Singapore, Singapore
- 14.00-14.15 Control of Dusts in Small Factories Owned by
Rural Enterprises A20
G-Q Liu, C Zhou and J Liu, Institute of
Environmental Health & Engineering, Chinese
Academy of Preventive Medicine, Beijing,
P R China
- 14.15-14.30 Revision of Air Pollution Studies in Various
Workplaces in Thailand and their Health
Effects A49
M. Wongphanich¹, N Ankasuwapala² & C Pongpanich².
¹Department of Occupational Health, Mahidol
University, Bangkok, Thailand. ²Occupational
Health Division, Ministry of Public Health,
Bangkok, Thailand
- 14.30-14.45 Tea

Session 9.

Chair: Professor F. He

- 14.45-15.00 Health Effects of Improving Indoor Air Quality
in the Work Place A23
B. R. Reverente Jr., Philippine Refining Co,
Manila, Philippines
- 15.00-15.15 Contamination of Indoor Air with Mineral
Fibres A35
R. C. Brown & J. A. Hoskins, MRC Toxicology Unit,
Carshalton, Surrey, UK
- 15.15-15.30 Predictive Importance of Simple Parameters of
Respiratory Dysfunction regarding
Cardiovascular Disease A58
A. J. S. Gardiner, Medical Unit, Monklands
Hospital, Glasgow, Scotland
- 15.30-15.45 The Role of DNA damage as a Biomarker in risk
assessment for carcinogens A61
L. S. Levy, Institute of Occupational Health,
University of Birmingham, UK
- 15.45-16.00 Studies on the Nitrogenous Pollutants observed
in the Air: Magnitude of the Public Health
Problem in Hungary A42
M. Borzsonyi, National Institute of Public
Health, Budapest, Hungary

End of Session

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18.30-18.30 Boat Trip on Lac Lemah (with cocktails)
19.00-19.10 Buses from Hotel to Chateau Aigle
20.00 Conference Dinner at Chateau Aigle

June 1st

Session 10.

Chair: Professor A Massoud

08.30-08.45 Evaluating Materials through Analysis and Synthesis Methods A44
A Baglioni, N Roschi, P Carano & F Piardi,
Dipartimento di Programmazione, Progettazione e
Produzione Edilizia, Politecnico di Milano,
Milan, Italy

08.45-09.00 Primary Prevention of Occupational Disease:
Anemophoresis A56
Y H Hubert & J M Dupont, Committee on Hygiene
Safety & Work Conditions, Thomson - CSF, Ussay,
France

09.30-11.30 General Assembly of IAI - Members and those
applying for membership

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